

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

**(19) World Intellectual Property Organization
International Bureau**



(43) International Publication Date
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number
WO 2005/027036 A1

(51) International Patent Classification⁷: G06K 19/077

Franciscus, Marla [NL/NL]; Boksheidsdijk 49, NL-5521 PR Eersel (NL). **BOCHNO, Victor, Robert** [NL/NL]; De Kreyenbeek 159, NL-5553 BD Valkenswaard (NL). **SE-WALT, Karl, Everhardus** [NL/NL]; Dirk Gerhardtstraat 16, NL-3119 BT Schiedam (NL).

(21) International Application Number: PCT/NL2004/000637

(22) International Filing Date:
14 September 2004 (14.09.2004)

(74) Agent: **WINCKELS, J., H., F.**; Vereenigde, Johan de Wit-telaan 7, NL-2517 JR Den Haag (NL).

(25) Filing Language: Dutch

(31) Designated States (unless otherwise indicated, for every kind of national protection available): AE AG AI AM

(26) Publication Language: English

kind of national protection available). AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

(30) Priority Data: 1024323 18 September 2003 (18.09.2003) NL

CC, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LY, MA, MD,

(71) *Applicant (for all designated States except US):* NED-ERLANDSE ORGANISATIE VOOR TOEGEPLAATST NATUURWETENSCHAPPELIJK ONDERZOEK TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL).

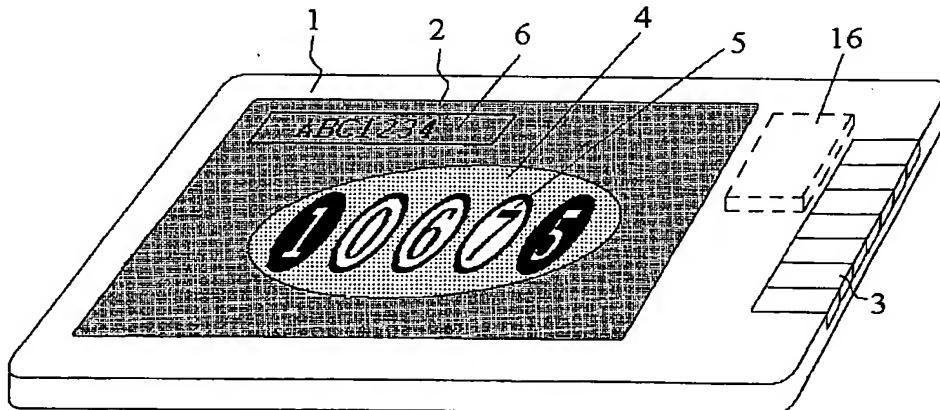
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(72) Inventors; and
(75) Inventors/Applicants (*for US only*): VAN BREEMEN
Albert, Jos, Jan, Marie [NL/NL]; Madernolaan 2
NL-5624 KT Eindhoven (NL). SCHOO, Harmannus

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: IDENTIFICATION CARD



WO 2005/027036 A1

(57) Abstract: Identification card, comprising a card body (1) with graphic identification information, wherein light emission means emit the identification information in visible or invisible light. The light emission means can consist of a flat light emitting diode (2) (FLED), for instance a Polymer FLED. The FLED can be connected with an internal or external electrical source. One or more layers (8 ... 13) of the FLED that are needed for light emission can contain the graphic identification information or a part thereof, that is, the graphic identification information can be contained in the shape of that layer or layers and/or in the composition thereof. The graphic identification information can also be contained in the shape and/or intensity of the electrical field in, and the electrical current through, those layers (12), respectively, as effected by the electrical source.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*